

Binks Model HAR-511 AIR REGULATOR

IMPORTANT:

Read and follow all instructions and SAFETY PRECAUTIONS before using this equipment. Retain for future reference.

⚠ WARNING

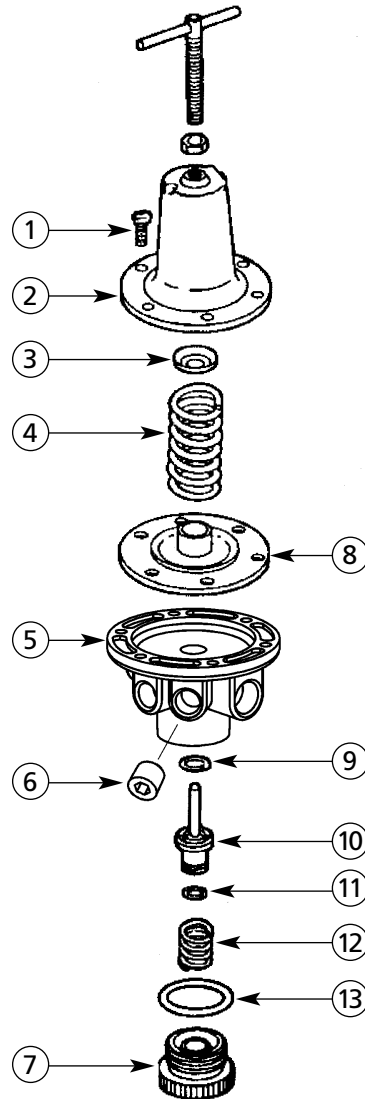
**Risk of personal injury.
Risk of property damage.**

Except as otherwise specified by the manufacturer, this product is specifically designed for compressed air service and use with any other fluid (liquid or gas) is a misapplication. For example, use with or injection of certain hazardous gases in the system (such as oxygen or liquid petroleum gas) could be harmful to the unit or result in a combustible condition that may cause fire or explosion. Manufacturer's warranties are void in the event of misapplication and manufacturer assumes no responsibility for any resulting loss.

⚠ WARNING

Risk of injury.

Release all air pressure from system before servicing system. Be sure to read and understand all Service Bulletins on the separate components before using the system. Use only specified Binks parts. Manufacturer assumes no responsibility for any resulting loss.



PARTS LIST

When ordering, please specify Part No.

ITEM NO.	PART NO.	DESCRIPTION	QTY.	ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	—	SCREW, #10-32X9/16 FILLISTER HD.	6	8*	—	DIAPHRAGM ASSY.	1
2	HAR-14	COVER.....	1	9*	—	O-RING	1
3	HAR-13	SPRING BUTTON.....	1	10*	—	VALVE	1
4	HAR-12	DIAPHRAGM SPRING	1	11*	—	O-RING	1
5	—	BODY	1	12*	—	SPRING	1
6	—	PIPE PLUG, 1/4" NPT(M)	1	13*	—	O-RING	1
7	HAR-8	BOTTOM PLUG	1				

*Available only as part of KK-4977 Repair Kit; order separately.

In this part sheet, the words **WARNING**, **CAUTION** and **NOTE** are used to emphasize important safety information as follows:

⚠ WARNING
 Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

⚠ CAUTION
 Hazards or unsafe practices which could result in minor personal injury, product or property damage.

NOTE
 Important installation, operation or maintenance information.

⚠ WARNING

Read the following warnings before using this equipment.



READ THE MANUAL
 Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.



WEAR SAFETY GLASSES
 Failure to wear safety glasses with side shields could result in serious eye injury or blindness.



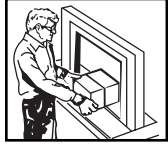
DE-ENERGIZE, DEPRESSURIZE, DISCONNECT AND LOCK OUT ALL POWER SOURCES DURING MAINTENANCE
 Failure to De-energize, disconnect and lock out all power supplies before performing equipment maintenance could cause serious injury or death.



OPERATOR TRAINING
 All personnel must be trained before operating finishing equipment.



EQUIPMENT MISUSE HAZARD
 Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.



KEEP EQUIPMENT GUARDS IN PLACE
 Do not operate the equipment if the safety devices have been removed.



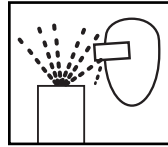
HIGH PRESSURE CONSIDERATION
 High pressure can cause serious injury. Relieve all pressure before servicing. Spray from the spray gun, hose leaks, or ruptured components can inject fluid into your body and cause extremely serious injury.



PRESSURE RELIEF PROCEDURE
 Always follow the pressure relief procedure in the equipment instruction manual.



ELECTRIC SHOCK/GROUNDING
 Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.



PROJECTILE HAZARD
 You may be injured by venting liquids or gases that are released under pressure, or flying debris.



INSPECT THE EQUIPMENT DAILY
 Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.



NEVER MODIFY THE EQUIPMENT
 Do not modify the equipment unless the manufacturer provides written approval.



FIRE AND EXPLOSION HAZARD
 Improper equipment grounding, poor ventilation, open flame or sparks can cause hazardous conditions and result in fire or explosion and serious injury.



KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY



STATIC CHARGE
 Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.

FOR FURTHER SAFETY INFORMATION REGARDING BINKS AND DEVILBISS EQUIPMENT, SEE THE GENERAL EQUIPMENT SAFETY BOOKLET (77-5300).

BINKS MODEL HAR-511 AIR REGULATOR

DESCRIPTION

This regulator has been designed to receive air at main line pressure and to deliver it at a desired lower regulated pressure.

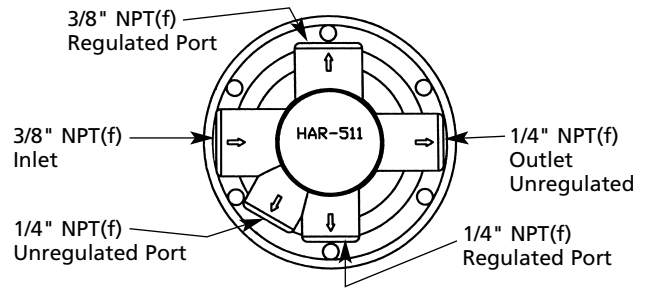
SPECIFICATIONS

Air inlet	3/8" NPT(f)
Air outlets (2 regulated)	1/4" NPT(f) (1 Ea.) 3/8" NPT(f) (1 Ea.)
Air outlets (2 unregulated)	1/4" NPT(f) (2 Ea.)
Air Capacity	60 CFM
Maximum Temp.	150° F
Max. Inlet Pressure	150 psi
Regulator range	0-125 psi

INSTALLATION

1. Maximum inlet pressure and operating temperature ratings are 150 psig and 150° F (intermittent to 180° F).
2. Install as close as possible to where regulated air is needed.
3. Install the unit with the air flowing through the body in the direction indicated by the arrow.
4. Install the same pipe size unit as the pipe line in use. Avoid using fittings, couplings, etc., that restrict the air flow, unless maximum flow is not needed.
5. Regulator may be installed so that adjusting handle is in any position. Attach gauge to one 1/4" female port.
6. Turning the adjusting screw clockwise increases the regulated pressure and turning it counterclockwise reduces the regulated pressure.

HAR-511 BOTTOM VIEW

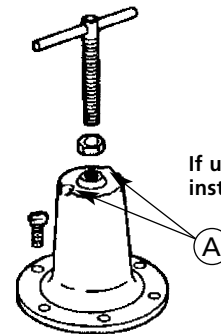


REGULATOR MAINTENANCE

1. Occasionally remove bottom plug (7) and clean valve seat (10) and body (5). Clean parts with denatured alcohol, wipe off seat and blow out body with compressed air.
2. To disassemble regulator, remove screws, bonnet, spring and spring button. Diaphragm assembly can now be removed.
3. Check all o-rings for signs of damage. Replace if necessary.
4. Reassembly parts. Insert stem of valve through hole in regulator body. Install spring and o-rings. Screw bottom plug into body.

NOTE

Erratic operation or loss of regulation is usually due to dirt in the valve area and cleaning is necessary. If cleaning does not correct the problem, replace the items included in Repair Kit KK-4977. (See diagram below.)



If unit leaks air at "A", install Repair Kit KK-4977.

WARRANTY

This product is covered by Binks' 1 Year Limited Warranty.

77-2781R-1 Revisions: (P2) Added warnings page.

Binks Worldwide Sales and Service Listing: www.binks.com

Binks has authorized distributors throughout the world. For technical assistance or the distributor nearest you, see listing below.

U.S./Canada Technical Service Office:

195 Internationale Blvd., Glendale Heights, IL 60139
Toll-Free Telephone: 1-888-992-4657 (U.S.A. and Canada only)
Toll-Free Fax: 1-888-246-5732

Refinishing

has authorized distributors throughout the world. For equipment, parts and service, check the Yellow Pages under "Automotive Body Shop Equipment and Supplies." For technical assistance, see listing below.

U.S./Canada Customer Service Office:

1724 Indian Wood Circle, Suite J-K, Maumee, OH 43537
Toll-Free Telephone: 1-800-445-3988 (U.S.A. and Canada only)
Toll-Free Fax: 1-800-445-6643



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